

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.-20. (Cancelled)

21. (Amended) A method of enhancing ~~an immune~~ a cytotoxic T-lymphocyte response in an organism to a tumor ~~antigen~~ cells which express low to non-detectable levels of peptide/MHC class 1 complexes on the cell surface, comprising:

~~administering an effective amount of an agent that can augment the level of a TAP-1 molecule in a target cell bearing the tumor antigen to a cell or animal in need thereof,~~

~~wherein the agent is a vector comprising~~ ex vivo a nucleic acid sequence encoding ~~the~~ a TAP-1 molecule into said tumor cells;

irradiating said tumor cells; and

introducing said tumor cells containing TAP-1 nucleic acid sequences into said organism.

~~wherein the vector is capable of transforming the target cell so that the expression of TAP-1 is increased and the immune response to the tumor antigen is enhanced.~~

22-24. (Cancelled)

25. (Amended) The method according to claim 21, wherein the ~~animal~~ organism is also subjected to surgery, radiation, chemotherapy, immunotherapy or photodynamic therapy.

26. (Amended) The method according to claim 21, wherein ~~the agent is administered~~ said introducing step is performed intraperitoneally, intratumorally, subcutaneously, intravenously, orally, mucosally, submucosally or intradermally.

27. (Cancelled)

28. (Previously presented) The method according to claim ~~27~~ 31 wherein the viral vector is selected from the group consisting of vaccinia based vectors, adenovirus based vectors, lenti virus based vectors and HSV based vectors.

29-30. (Cancelled)

31. (New) A method of enhancing a cytotoxic T-lymphocyte response in an organism to tumor cells which express low to non-detectable levels of peptide/MHC class 1 complexes on the cell surface, comprising:

introducing into the organism, at a location into or near the tumor cell a viral vector encoding a TAP-1 molecule into in a manner which causes uptake by said tumor cells of said viral vector, resulting in the expression of TAP-1 in said tumor cells.